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### What is a Rain Garden?

Rain gardens are strategically-placed shallow depressions that capture stormwater runoff from hard-surface areas such as parking lots, roofs and driveways, and help water soak into the ground.

Rain gardens reduce the amount of stormwater and pollutants that flow into nearby wetlands, lakes, streams and rivers. Reducing and filtering stormwater runoff helps improve water quality.

### How do Rain Gardens Work?

Rain gardens provide for the natural infiltration of rainwater into the soil. This helps to filter out pollutants including fertilizer, pesticides, oil, heavy metals, gasoline and other chemicals that are carried with the rainwater that washes off your lawn, rooftop, and driveway.

The plants, mulch and soil in a rain garden combine physical, biological and chemical processes to remove pollutants from runoff. Many pollutants will be filtered out and break down in the soil over time.

Water should stand in a rain garden no longer than 24 hours after the rain stops. Mosquilo eggs need about one week of standing water to hatch. Rain gardens are designed to drain-down quickly.

### How to Make Your Own Rain Garden:

## 1. Find the Right Location:

Locate your rain garden near a downspout, sidewalk, driveway—any place that produces a lot of runoff and is at least 10 feet away from nearby buildings with basements. A rain garden should be about 10-15% of the size of the hard-surface drainage area that flows to it.

Create a Shallow Depression:
 Excavate a shallow (4-6° deep), flat-bottomed bowl to collect rainwater and snowmelt. If needed, deeply loosen the soil below and add well-aged leaf-compost into this soil, to help encourage water to soak into the ground. Add 2-3° depth of shredded wood mulch to cover the soils in the rain garden area.

### 3. Choose the Right Plants:

Pick the Right Plant for the Right Place. Select plants (whether perennials, shrubs and/or trees) that can thrive in periodic flooding and also periods of drought.

This rain garden was created in May 2007 by:

Scott Soil and Water Conservation District USDA-Natural Resources Conservation Service Scott Watershed Management Organization Scott County Master Gardeners

# **Educational Signage**

Available from Gregg or Shawn Created in Microsoft Publisher



























